

Listing of Claims:

1. (original) A truck mounted rotating broom system comprising:
a rotating broom mounting and control assembly;
a support structure mounted to the truck; and
a non-rigid connection therebetween.
2. (original) The truck mounted rotating broom system as defined in claim 1 wherein said support structure includes:
a substantially stationary gooseneck assembly; and
a swinging trunnion assembly rotatably connected to said substantially stationary gooseneck assembly.
3. (original) The truck mounted rotating broom system as defined in claim 1 wherein said non-rigid connection includes a floating beam and a four bar connection between said swinging trunnion assembly and said floating beam.
4. (original) A truck mounted rotating broom system comprising:
a support structure including:
a substantially stationary gooseneck assembly constructed and arranged to mount to the front of the truck; and
a swinging trunnion assembly constructed and arranged for rotatable connection to said substantially stationary gooseneck assembly;
means for controlling the position of said swinging trunnion assembly with respect to said gooseneck assembly;
a non-rigid connection including a floating beam assembly; and
a broom positioning, supporting, and rotating assembly connected to said floating beam assembly.
5. (original) The system as defined in claim 1 wherein said non-rigid connection includes a multiple link attachment mechanism.
6. (withdrawn) The mounting assembly as defined in claim 1 wherein said rotating mounting and control assembly includes:
a substantially horizontal beam including a left portion, a right portion, and a central portion;

a first caster assembly constructed and arranged for mounting to said left portion of said substantially horizontal beam;

a second caster assembly constructed and arranged for mounting to said right portion of said substantially horizontal beam;

a first pivot arm assembly connected to the left end of said substantially horizontal beam;

a second pivot arm assembly connected to the right end of said substantially horizontal beam;

means for mounting said non-rigid connection to said substantially horizontal beam; and

means for providing rotational power to the rotating broom.

7. (withdrawn) A system for removing snow from a paved surface, comprising:

a truck;

a rotating broom system mounted to the front of said truck;

said rotating broom system including:

a positioning, supporting, and rotating assembly for a rotating broom;

a support structure mounted to said truck; and

a non-rigid connection between said positioning, supporting and rotating assembly and said support structure.